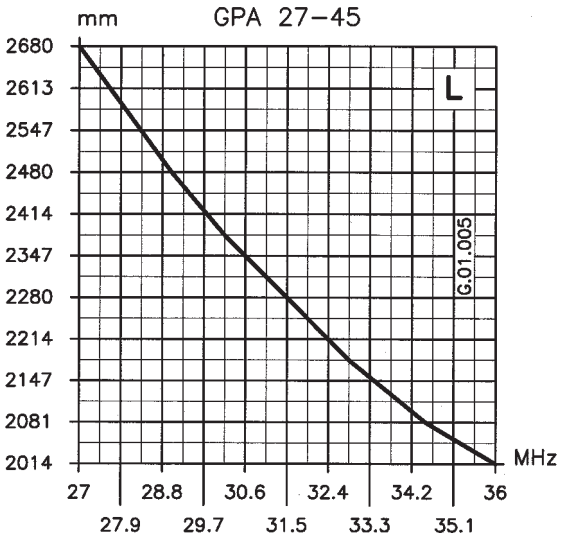
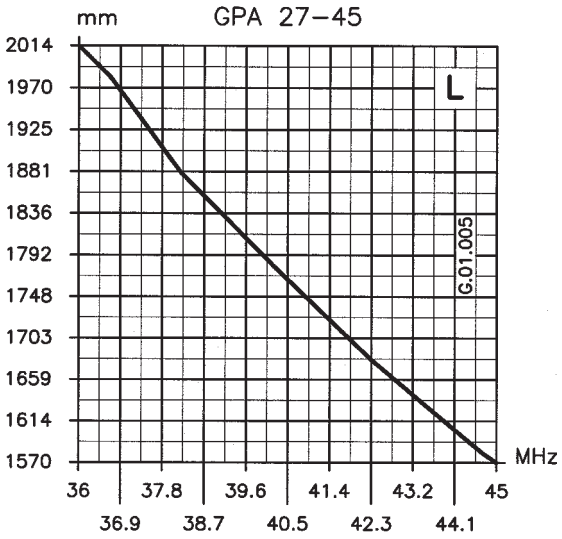
TYPICAL TUNING DIAGRAMS





NOTE:

- *It is recommended to use the curves as a guide and fine-tune using an SWR-Meter.*

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Model GPA 27-45

Ground Plane Antenna 27-45 MHz

Installation Manual

DESCRIPTION

1/4 λ Ground Plane antenna for base station service working on 27-45 MHz by means of the tuning diagram enclosed. It is entirely made of non-corrosive aluminium and assembled on a strong die-cast base which allows an easy and safe installation assuring very good performances.

SPECIFICATIONS

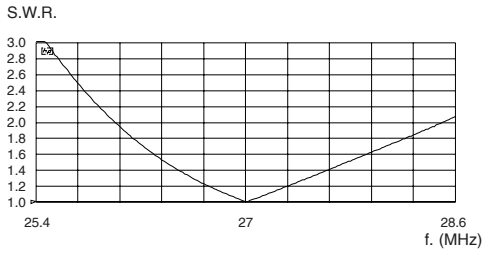
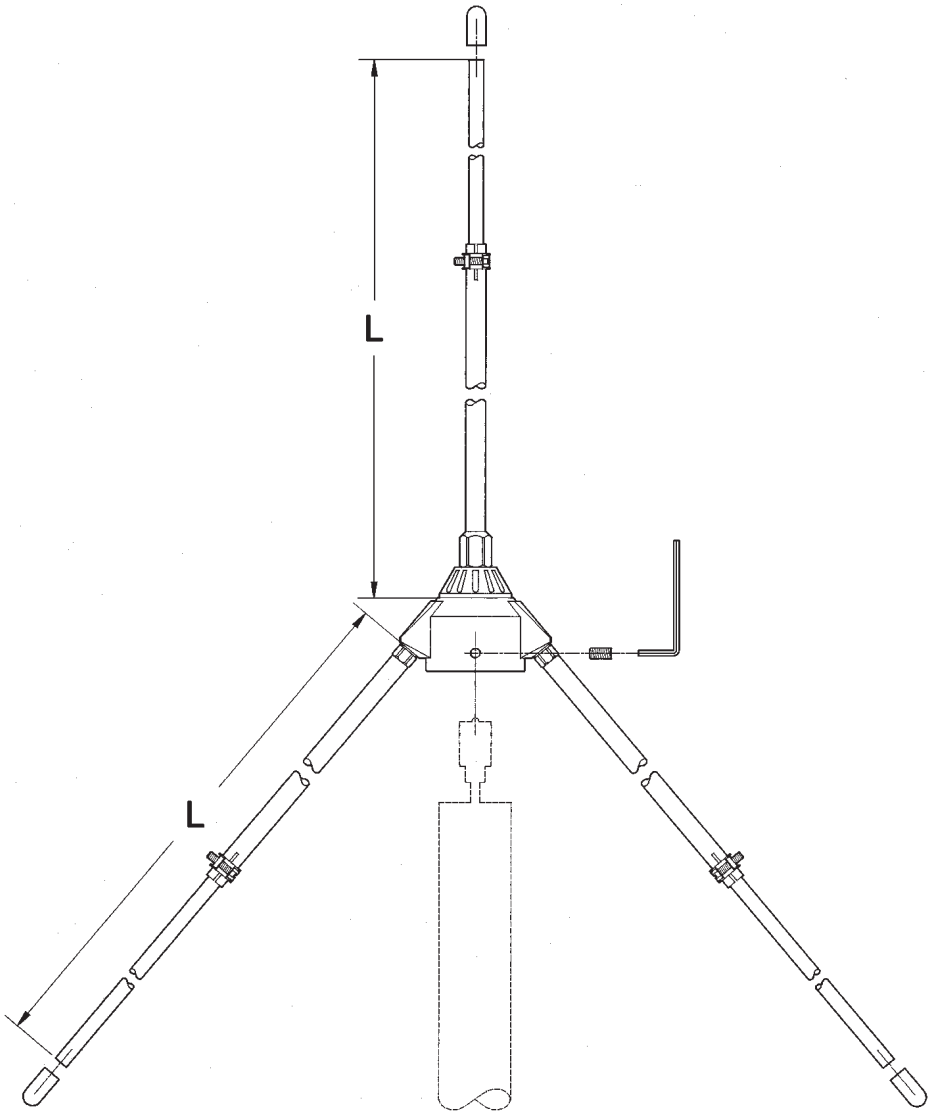
Electrical Data

Type	:	1/4 λ Ground Plane
Frequency Range	:	27-45 MHz tunable by diagram
Impedance	:	50 Ω Unbalanced
Radiation	:	Omnidirectional
Polarization	:	Vertical
Gain	:	0 dBd - 2.14 dBi
Bandwidth at V.S.W.R. 2:1	:	2.5 MHz at 27 MHz
V.S.W.R. at f. res.	:	≤ 1.2 : 1
Max Power	:	1000 Watts
Feed System / Position	:	Direct / Center
Connection	:	UHF Female

Mechanical Data

Materials	:	Aluminium, Chromed Brass, Nylon, Stainless Steel
Wind Load / Resistance	:	126 N at 150 Km/h / 130 Km/h
Wind Surface	:	0.11 m^2
Height (approx.)	:	4730 mm
Weight (approx.)	:	1250 gr
Radial Length (approx)	:	2680 mm
Mounting Mast	:	Ø 35-40 mm

TYPICAL S.W.R. RESPONSE



MOUNTING INSTRUCTIONS